## WHAT IS CLAIMED IS:

1	1.	A method comprising:
2		creating a rule-based grammar having a wildcard identifier in place of a
3		predefined category of words;
4		defining rules to produce artificial combinations of unique sounds in a
5		language, where each artificial combination represents a
6		pronunciation of the words in the predefined category, and
7		represents a generic word that is defined in a speech engine's
8		vocabulary database;
9		generating a set of artificial combinations of unique sounds by substituting
10		the wildcard identifier with the rules; and
11		in response to human speech specifying a wildcard word, determining a
12		number of potential words spoken by the user by finding the
13		generic words and non-generic words that phonetically match the
14		wildcard word, and then assigning each of the words a confidence
15		level.
1 2	2.	The method of claim 1, wherein the rule-based grammar comprises a context-free grammar (CFG).
1 2	3.	The method of claim 1, additionally comprising selecting a non-generic word having the highest confidence level.
4	4	The method of claim 1, wherein a unique sound in a language comprises
1 2	4.	a phoneme.
1	5.	The method of claim 1, wherein said generating a set of artificial
2		combinations of unique sounds by substituting the wildcard identifier with
3		the rules comprises converting the wildcard rule-based grammar into a
4		standard rule-based grammar.
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1	6.	A method comprising:
2		specifying a wildcard context-free grammar (CFG) which includes a
3		wildcard identifier in place of a predefined category of words, each
4		of which are defined in the speech engine's vocabulary database;
5		specifying a set of rules that define artificial combinations of unique
6		sounds in a language, where each artificial combination represents
7		a pronunciation of the words in the predefined category, and
8		corresponds to a generic word that is defined in a speech engine's
9		vocabulary database;
10		converting the wildcard CFG file into a recognized CFG grammar file by
11		generating a set of artificial combinations of unique sounds based
12		on the rules; and
13		in response to human speech having one or more spoken units,
14		generating a results object having a number of generic words
15		corresponding to artificial combinations appropriate to a given
16		spoken unit, and having a number of non-generic words in the
17		speech engine's vocabulary database appropriate to a given
18		spoken unit, each generic word and non-generic word having an
19		associated confidence level.
1	7.	The method of claim 6, additionally comprising querying the results object
2		for a word having the highest confidence level in the speech engine's
3		vocabulary database.
1	8.	The method of claim 6, wherein a unique sound in a language comprises
2		a phoneme.
1	9.	A machine-readable medium having stored thereon data representing
2		sequences of instructions, the sequences of instructions which, when

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3		executed by a processor, cause the processor to perform the following.
4		create a rule-based grammar having a wildcard identifier in place of a
5		predefined category of words;
6		define rules to produce artificial combinations of unique sounds in a
7		language, where each artificial combination represents a
8		pronunciation of the words in the predefined category, and
9		represents a generic word that is defined in a speech engine's
10		vocabulary database;
11		generate a set of artificial combinations of unique sounds by substituting
12		the wildcard identifier with the rules; and
13		in response to human speech specifying a wildcard word, determine a
14		number of potential words spoken by the user by finding the
15		generic words and non-generic words that phonetically match the
16		wildcard word, and then assigning each of the words a confidence
17		level.
1	10.	The machine-readable medium of claim 9, wherein the rule-based
2		grammar comprises a context-free grammar (CFG).
1	11.	The machine-readable medium of claim 9, wherein a unique sound in a
2		language comprises a phoneme.
1	12.	An apparatus comprising:
2		at least one processor; and
3		a machine-readable medium having instructions encoded thereon, which
4		when executed by the processor, are capable of directing the
5		processor to:
6		create a rule-based grammar having a wildcard identifier in place of
7		a predefined category of words;

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8		define rules to produce artificial combinations of unique sounds in a
9		language, where each artificial combination represents a
10		pronunciation of the words in the predefined category, and
11		represents a generic word that is defined in a speech
12		engine's vocabulary database;
13		generate a set of artificial combinations of unique sounds by
14		substituting the wildcard identifier with the rules; and
15		in response to human speech specifying a wildcard word,
16		determine a number of potential words spoken by the user
17		by finding the generic words and non-generic words that
18		phonetically match the wildcard word, and then assigning
19		each of the words a confidence level.
1	13.	The apparatus of claim 12, wherein the rule-based grammar comprises a
2		context-free grammar (CFG).
1	14.	The apparatus of claim 12, wherein a unique sound in a language
2		comprises a phoneme.
1	15.	An apparatus comprising:
2		means for creating a rule-based grammar having a wildcard identifier in
3		place of a predefined category of words;
4		means for defining rules to produce artificial combinations of unique
5		sounds in a language, where each artificial combination represents
6		a pronunciation of the words in the predefined category, and
7		represents a generic word that is defined in a speech engine's
8		vocabulary database;
9		means for generating a set of artificial combinations of unique sounds by
10		substituting the wildcard identifier with the rules; and
11		in response to human speech specifying a wildcard word, means for

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determining a number of potential words spoken by the user by 12 finding the generic words and non-generic words that phonetically 13 match the wildcard word, and then assigning each of the words a 14 confidence level. 15 The apparatus of claim 15, wherein the rule-based grammar comprises a 1 16. 2 context-free grammar (CFG). 17. The apparatus of claim 15, wherein a unique sound in a language 1 comprises a phoneme. 2 18. A system comprising: 1 a conversion module to accept a wildcard rule-based grammar file as 2 input, and to convert the wildcard rule-based grammar file to a set 3 of artificial combinations of unique sounds in a language; 4 a speech engine to accept human speech having a wildcard word as 5 input, and to determine a number of potential words matching the 6 wildcard word, the potential words comprising a number of generic 7 8 words corresponding to the artificial combinations of unique sounds 9 in a language, and a number of non-generic words; and 10 a speech adapter to interact with the speech engine by querying the speech engine for potential words matching the wildcard word, and 11 by returning the word most likely to match the wildcard word 12 spoken by the user. 13 The system of claim 18, wherein the unique sounds in a language 19. 1 2 comprise phonemes. The system of claim 18, wherein the rule-based grammar is a context-free 1 20. 2 grammar (CFG).

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1 21. The system of claim 18, wherein the speech engine comprises the

2 conversion module.

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